Instructional Materials and Resources

Videos created by the authors of the Common Core State Standards for Mathematics and English Language Arts
http://www.youtube.com/user/TheHuntInstitute#g/u

Examination of Mathematical Practice "Look Fors" from Jonathan Wray
http://itunes.apple.com/us/app/common-core-look-fors-mathematics/id467263974?ls=1&mt=8

Diving Deeper into the Common Core Standards for Mathematics: Leading with the Mathematical Practices -A webinar that introduces Mathematical Practices.
http://ncsmonline.org/docs/events/webinars/NCSMCCSSWebinar2011-02-23Presentation.pdf

Effective Questions Posters: These PBS TeacherLine posters give some questions that administrators can build into their professional learning opportunities with teachers that model the practices that the Common Core State Standards value and expect.
https://docs.google.com/viewer?a=v&pid=explorer&chrome=true&srcid=0ByiW_dRvIJEoMmI3NTk1NDgtYTEyNS00ZDBlLTgxOTktYzY2OGU1ZDkxNDMw&hl=en

NCSM Illustrating Mathematical Practices

These ready-to-use PD materials are designed to help teachers understand the Standards for Mathematical Practice and implement them in their classrooms. Each module supports a 1.5- to 3-hour session that focuses on one or two mathematical practices. http://www.ncsmonline.org/ccss/materials.html

Use current brain research to change the way your students think about mathematics. Students will become mathematically proficient more easily if they are thinking positively about learning mathematics. This topic is addressed in a recent ASCD publication: Willis, Judy *Learning to Love Math; Chapter 1 Reversing Math Negativity with an Attitude Makeover.* ASCD 2010. The introduction and Chapter 1 can be read by at this site.
http://www.ascd.org/publications/books/108073.aspx

Carpenter, Franke, and Levi's book, *Thinking Mathematically (2003)* is an easy read for teachers. Chapter 2 Equality is a downloadable free sample from the publisher. http://www.heinemann.com/shared/onlineresources/E00565/chapter2.pdf

Inside Mathematics is a professional resource for educators that feature classroom examples of innovative teaching methods and insights into student learning, tools for mathematics instruction that teachers can use immediately, and video tours of the ideas and materials on the website. Inside Mathematics will be aligning its tools and examples to the Common Core.
www.insidemathematics.org/

NCTM National Council of Teachers of Mathematics

http://www.fayar.net/east/teacher.web/math/Standards/document/chapter2/index.htm

The California Math Project has created a warehouse of resources, assessments, etc. that focus on high school modeling.
http://caccssm.cmpso.org/high-school-modeling-task-force/high-school-modeling-resources

The Shell Centre was charged with creating some examples of problems that incorporate the Mathematical Practices. This website gives teachers some examples of mathematics problems that link to the Mathematical Practices.
http://map.mathshell.org.uk/materials/stds.php

NCSM webinar series

http://www.mathedleadership.org/events/webinars.html

Gearing up for the Common State Standards in Mathematics-Five initial domains for professional development in Grades K-8
http://commoncoretools.files.wordpress.com/2011/12/2011_12_06_gearing_up.pdf

NCSM National Council of Supervisors of Mathematics Common Core State Standard Resources

http://www.mathedleadership.org/ccss/materials.html

Standards for professional learning. (2011).
Willis, J. (2010). *Learning to love math: Teaching strategies that change student attitudes and get results*. ASCD.
http://www.learningforward.org/standards/standards.cfm

National Dissemination Center for Children with Disabilities

http://nichcy.org/research/ee/math

Linear Algebra and Geometry
A High School Course Developed by EDC's Center for Mathematics Education

http://www2.edc.org/cme/linearalg.html